AMENDMENTS TO THE CLAIMS

Claim amendments and status:

1.   (Currently Amended) A method for <u>retrieving</u> ~~obtaining~~ one or more output images, <u>the method</u> comprising:

<u>building a learned dictionary of transform codes by</u> examining ~~one or more~~ images in a database for one or more ~~first~~ compression patterns[[;]] <u>and</u> recording said ~~first~~ compression patterns <u>in the learned dictionary, wherein the one or more compression patterns comprise one or more transform codes that are learned from the images in the database</u>;

<u>receiving</u> ~~obtaining~~ a request for ~~said~~ one or more output images;

<u>transforming the requested output images into requested transform codes;</u> and

<u>retrieving</u> ~~obtaining~~ said output images ~~using said first compression patterns~~ <u>from the database by comparing the requested transform codes to the learned transform codes</u>.

2.   (Currently Amended) The method of claim 1, wherein said <u>receiving</u> ~~obtaining~~ a request comprises:

<u>receiving</u> ~~obtaining~~ a text input;

locating one or more ~~of said first~~ compression patterns associated with said text input; and

<u>retrieving</u> ~~obtaining~~ said output images associated with said ~~first~~ compression patterns.

3.   (Currently Amended) The method of claim 1, wherein said <u>receiving</u> ~~obtaining~~ a request comprises:

<u>receiving</u> ~~obtaining~~ an input image;

<u>transforming the input image into input transform codes</u> ~~determining one or more second compression patterns in said input image~~;

comparing said <u>input transform codes to the learned transform codes</u> ~~second compression patterns to said first compression patterns~~; and

retrieving ~~obtaining~~ said output images <u>from the database by comparing the input transform</u> <u>codes to the learned transform codes.</u> ~~wherein said second compression patterns are matched with~~ ~~said first compression patterns.~~

4.   (Currently Amended) The method of claim 1, wherein said examining <u>images in</u> <u>the database</u> ~~further~~ comprises: dividing said images into one or more blocks; and obtaining ~~said~~ ~~first~~ compression patterns by examining said blocks.

5.   (Canceled)

6.   (Currently Amended) The method of <u>claim 1</u> ~~claim 5~~ further comprising: applying a latent variable modeling technique to obtain said transform codes.

7.   (Original)   The method of claim 6, wherein said latent variable modeling is a Gaussian latent variable modeling.

8.   (Currently Amended) The method of claim 1, wherein ~~said~~ <u>retrieving</u> ~~obtaining~~ said output images further comprises: applying a Bayes decision rule.

9.   (Canceled)

10.   (Currently Amended) <u>A system</u> ~~An apparatus~~ for <u>retrieving</u> ~~obtaining~~ one or more output images<u>, the system</u> comprising:

one or more images in a database<u>, wherein the images are</u> configured to be examined for one or more ~~first~~ compression patterns, <u>wherein the one or more compression patterns comprise one or</u> <u>more transform codes that are learned from the images in the database</u>;

a <u>learned</u> dictionary <u>built from the transform codes learned from the images in the database</u> <u>by</u> ~~for~~ recording said ~~first~~ compression patterns;

<u>means for receiving</u> a request ~~configured to be obtained~~ for ~~said~~ one or more output images;

<u>means for transforming the requested output images into requested transform codes;</u> and

means for retrieving said output images from the database by comparing the requested transform codes to the learned transform codes. ~~said output images configured to be obtained using said first compression patterns.~~

11.   (Currently Amended) The system ~~apparatus~~ of claim 10, wherein said means for receiving a request comprises:

means for receiving a text input ~~configured to be obtained~~,

wherein one or more ~~of said first~~ compression patterns are associated with said text input and are ~~configured to be located~~ locatable using said text input, and

wherein said output images are associated with said ~~first~~ compression patterns and are ~~configured to be obtained~~ retrievable using said compression patterns.

12.   (Currently Amended) The system ~~apparatus~~ of claim 11, wherein said means for receiving a request comprises:

means for receiving an input image ~~configured to be obtained~~,

wherein ~~one or more second compression patterns in~~ said input image is transformed into input transform codes, ~~are configured to be determined, and~~

wherein said input transform codes ~~second compression patterns~~ are ~~configured to be~~ compared to ~~said first compression patterns~~ the learned transform codes, and

wherein said output images are retrieved by comparing the input transform codes to the learned transform codes. ~~configured to be obtained wherein said second compression patterns are matched with said first compression patterns.~~

13.   (Currently Amended) The system ~~apparatus~~ of claim 10, wherein ~~further comprising:~~ said images are ~~configured to be~~ divided into one or more blocks; and said ~~first~~ compression patterns ~~configured to be~~ are obtained by examining said blocks.

14.   (Canceled)

15. (Currently Amended) The ~~system~~ ~~apparatus~~ of <u>claim 10, wherein</u> ~~claim 14 further~~ ~~comprising:~~ a latent variable modeling technique ~~configured to be applied~~ <u>is used</u> to obtain said transform codes.

16. (Currently Amended) The <u>system</u> ~~apparatus~~ of claim 15, wherein said latent variable modeling is a Gaussian latent variable modeling.

17. (Currently Amended) The <u>system</u> ~~apparatus~~ of claim 10, <u>wherein</u> ~~further~~ ~~comprising: applying~~ a Bayes decision rule <u>is applied</u> to retrieve said output images.

18. (Currently Amended) A computer program product comprising a computer usable medium having computer readable program code embodied therein configured to obtain one or more output images, said computer program product comprising:

computer readable code <u>for building a learned dictionary of transform codes by examining</u> <u>images in a database for one or more compression patterns and recording said compression patterns</u> <u>in the learned dictionary, wherein the one or more compression patterns comprise one or more</u> <u>transform codes that are learned from the images in the database</u> ~~configured to cause a computer to~~ ~~examine one or more images in a database for one or more first compression patterns; computer~~ ~~readable code configured to cause a computer to record said first compression patterns~~;

computer readable code <u>for receiving a request for one or more output images</u> ~~configured to~~ ~~cause a computer to obtain a request for said one or more output images~~;

computer readable code <u>for transforming the requested output images into requested</u> <u>transform codes;</u> and

computer readable code <u>for retrieving said output images from the database by comparing</u> <u>the requested transform codes to the learned transform codes</u> ~~configured to cause a computer to~~ ~~obtain said output images using said first compression patterns~~.

19. (Currently Amended) The computer program product of claim 18, wherein said computer readable code ~~configured to cause a computer to obtain~~ <u>for receiving</u> a request comprises:

computer readable code ~~configured to cause a computer to obtain~~ <u>for receiving</u> a text input;

computer readable code ~~configured to cause a computer to locate~~ <u>for locating</u> one or more ~~of~~ ~~said first~~ compression patterns associated with said text input; and

computer readable code ~~configured to cause a computer to obtain~~ <u>for retrieving</u> said output images associated with said ~~first~~ compression patterns.

20.   (Currently Amended) The computer program product of claim 19, wherein said computer readable code ~~configured to cause a computer to obtain~~ <u>for receiving</u> a request comprises:

computer readable code ~~configured to cause a computer to obtain~~ <u>for receiving</u> an input image;

computer readable code <u>for transforming the input image into input transform codes</u> ~~configured to cause a computer to determine one or more second compression patterns in said input~~ ~~image~~;

computer readable code <u>for comparing said input transform codes to the learned transform</u> <u>codes</u> ~~configured to cause a computer to compare said second compression patterns to said first~~ ~~compression patterns~~; and

computer readable code <u>for retrieving said output images from the database by comparing</u> <u>the input transform codes to the learned transform codes</u> ~~configured to cause a computer to obtain~~ ~~said output images wherein said second compression patterns are matched with said first~~ ~~compression patterns.~~

21.   (Currently Amended) The computer program product of claim 18, wherein said computer readable code ~~configured to cause a computer to examine further~~ <u>for examining images in</u> <u>a database</u> comprises:

computer readable code ~~configured to cause a computer to divide~~ <u>for dividing</u> said images into one or more blocks; and

computer readable code ~~configured to cause a computer to obtain~~ for obtaining said first compression patterns by examining said blocks.

22.   (Canceled)

23.   (Currently Amended) The computer program product of claim 22, further comprising: computer readable code ~~configured to cause a computer to apply~~ for applying a latent variable modeling technique to obtain said transform codes.

24.   (Original)   The computer program product of claim 23 wherein said latent variable modeling is a Gaussian latent variable modeling.

25.   (Currently Amended) The computer program product of claim 18, wherein said computer readable code ~~configured to cause a computer to obtain~~ for retrieving said output images further comprises: computer readable code ~~configured to cause a computer to apply~~ for applying a Bayes decision rule.

26.   (Canceled)